

## Practical 8

### Aim: Manipulating Data

#### (1) Give 10% interest to all depositors.

Query: update deposit set amount=(amount)+(amount\*0.1)

Output:

User: 22DCE006

Home > SQL > SQL Commands

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```
update deposit set amount=(amount)+(amount*0.1)
select *from deposit
```

Results Explain Describe Saved SQL History

A_NO	CNAME	BNAME	AMOUNT	A_DATE
101	anil	andheri	7700	01-JAN-06
102	sunil	virar	5500	15-JUL-06
103	jay	villepark	7150	12-MAR-06
104	vijay	andheri	8800	17-SEP-06
105	keyur	dadar	8250	19-NOV-06
106	mayur	borivali	6050	21-DEC-06

6 rows returned in 0.00 seconds [CSV Export](#)

#### (2) Give 10% interest to all depositors having branch vrce

Query: update deposit set amount=(amount)+(amount\*0.1) where bname='vrce'

Output:

User: 22DCE006

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```
update deposit set amount=(amount)+(amount*0.1) where bname='vrce'
select *from deposit
```

Results Explain Describe Saved SQL History

0 row(s) updated.

#### (3) Give 10% interest to all depositors living in nagpur and having branch city bombay.

Query: update deposit set amount=(amount)+(amount\*0.1) where bname='nagpur' or bname='bombay'

Output:

User: 22DCE006

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```
update deposit set amount=(amount)+(amount*0.1) where bname='nagpur' or bname='bombay'
select *from deposit
```

Results Explain Describe Saved SQL History

0 row(s) updated.

0.00 seconds

**(4) Write a query which changes the department number of all employees with empno 7788's job to employee 7844's current department number.**

Query: update employee set emp\_no=7844 where emp\_no=7788

Output:

User: 22DCE006

 Home > SQL > **SQL Commands**
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```
update employee set emp_no=7844 where emp_no=7788
```

Results Explain Describe Saved SQL History

0 row(s) updated.

**(5) Transfer 10 Rs from account of anil to sunil if both are having same branch.**

Query: update deposit set amount=amount+10 where cname='sunil' and bname in (select bname from deposit where cname='anil')

Output:

User: 22DCE006

 Home > SQL > **SQL Commands**
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```
update deposit set amount=amount+10 where cname='sunil' and bname in (select bname from deposit where cname='anil')
```

Results Explain Describe Saved SQL History

0 row(s) updated.

**(6) Give 100 Rs more to all depositors if they are maximum depositors in their respective branch.**

Query: UPDATE DEPOSIT SET AMOUNT=AMOUNT+100 WHERE CNAME IN(SELECT CNAME FROM DEPOSIT WHERE AMOUNT = ANY(SELECT MAX(AMOUNT) FROM DEPOSIT GROUP BY BNAME))

Output:

User: 22DCE006

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```
UPDATE DEPOSIT SET AMOUNT=AMOUNT+100 WHERE CNAME IN(SELECT CNAME FROM DEPOSIT WHERE AMOUNT = ANY(SELECT MAX(AMOUNT) FROM DEPOSIT GROUP BY BNAME))
```

**Results** Explain Describe Saved SQL History

5 row(s) updated.

**(7) Delete depositors of branches having number of customers between 1 to 3.**

Query: DELETE FROM DEPOSIT WHERE BNAME IN(SELECT BNAME FROM DEPOSIT GROUP BY BNAME HAVING COUNT(BNAME)>1 AND COUNT(BNAME)<3)

Output:

User: 22DCE006

Home > SQL > **SQL Commands**

☒ Autocommit Display 10

```
DELETE FROM DEPOSIT WHERE BNAME IN(SELECT BNAME FROM DEPOSIT GROUP BY BNAME HAVING COUNT(BNAME)>1 AND COUNT(BNAME)<3)
```

**Results** Explain Describe Saved SQL History

0 row(s) deleted.

**(8) Delete deposit of vijay.**

Query: delete from deposit where cname='vijay'

Output:

User: 22DCE006

Home > SQL > **SQL Commands**

☒ Autocommit Display 10

```
delete from deposit where cname='vijay'
select *from deposit
```

**Results** Explain Describe Saved SQL History

A_NO	CNAME	BNAME	AMOUNT	A_DATE
101	anil	andheri	7700	01-JAN-06
102	sunil	virar	5500	15-JUL-06
103	jay	villepark	7150	12-MAR-06
105	keyur	dadar	8250	19-NOV-06
106	mayur	borivali	6050	21-DEC-06

5 rows returned in 0.00 seconds [CSV Export](#)

**(9) Delete borrower of branches having average loan less than 1000.**

Query: delete from borrow where amount<1000

Output:

User: 22DCE006

Home > SQL > **SQL Commands**

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```
delete from borrow where amount<1000
```

**Results**   Explain   Describe   Saved SQL   History

0 row(s) deleted.

**Conclusion:** From this practical I learned about different functions used for data manipulation and other important queries.

**Staff Signature:**

**Grade:**

**Remarks by the Staff:**